

"Rite in the Rain"®



ALL-WEATHER
HIP POCKET
Spiral Memo

No. 146
50 Sheets
4" x 6"

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U. S. A.

2 July 1994 - road east from Yellowstone

• PAWA (NS) $\frac{1}{1}$ WS (B) br < 1cm BS 60% con

- lunge ^{9cm} land, reach down & probe ne? (2)

- hover, glean ne. (1)

809

• CHSP (NS) $\frac{3}{3}$ BS (C) ^{top} br < 1cm BS 60% con

- st & glean ne (P) uk (2)

810

• ORWA (NS) $\frac{3}{4}$ willow (B) tw < 1cm willow 30% con

- st and probe catkin (P) ? uk prng (3)

811

• MYWA ♂ (S) $\frac{7}{8}$ BS br 1cm (C) BS 90% con

- reach over & probe ne (2)

- reach down & probe (2)

812

MYWA ♀ (NS) $\frac{4}{6}$ BS tw < 1cm (B) BS 90% con

- st & glean needle (P) uk

813

• YEWA ♀ (NS) $\frac{2}{3}$ willow br < 1cm (B) Birch 05% con

- lunge 8cm & glean insect (P) (3) 814

YEWA ♂ (NS) $\frac{1}{4}$ willow br 1cm (B) willow 10% con

- down strike & glean lf (P) uk 815

3 July 1994 - YK Rd to Delta
• PAWA (NS) $\frac{5}{8}$ BS Br < 1cm BS 50% con
- lunge and chase after flying insect incl. many times
total dist ~ 500cm. 816

• MYWA ♂ (NS) $\frac{8}{8}$ BS Br < 1cm (C) BS 75% con
- stand + glean ne (Y) Jk. 817

3 July 1994 Fred Henne Campground
• YEW A ♀ (NS) $\frac{7}{7}$ Tam (B) br < 1cm BS 80% con.
- st + probe ne (C) (2) 818

3 July 1994 Yellowknife River Park
• OCWA (NS) $\frac{1}{2}$ BS (A) br < 1cm willow 40% con
- reach down + probe ne (C)
- reach down + probe ne (Y) cat.
819

• GRJA - $\frac{1}{2}$ willow (A) tr < 1cm BS willow 40% con
- hang side + glean lf (C) (1)
- hang up + probe leaf cluster (Y) large cat or pupa (1)
820

• PAWA (NS) $\frac{6}{7}$ Tam (B) br < 1cm BS 70% con
- lunge up + hover sl (C) ne 821
- hang down + probe ne (Y) 821

3 July 1994 Rd to Detour (Yellowknife)

• CHSP (NS) $\frac{1}{6}$ BS (C) br < 1cm BS 95% con

- st + gl ne (P) (1) 822

- reach down + probe ne (?) (1)

- hang down + probe ne (?) (2)

- reach down + probe ne (?) (1)

• OCWA (NS) $\frac{5}{6}$ Tam (B) br 1cm BS 95 con

- up strike 120cm (70° up) gl ne (?) (1)

823

• CHSP (NS) $\frac{1}{1}$ tam (B) br < 1cm BS 85% con

- rd + sle ne (P) ok

- st + gl stem (?) ok 824

• PAWA (NS) $\frac{1}{1}$ BS (C) br st 3cm BS 95 con

- lunge + pursue flying insect contacted tail 100cm (?) (1)

825

• PAWA (NS) $\frac{6}{6}$ ~~BS~~ (C) br < 1cm BS 95 con

- hover-glen (N) landed on d 2

- st + probe needle (P) cut?

826

3 July 1994

YK - Rd to Detch cont'd

• OCWA - (NS) Birch $\frac{2}{3}$ (B) br < 1cm 80% con
- st + gl ul (?) (3) 827

• MYWA ♀ (NS) Tam $\frac{5}{11}$ (B) br < 1cm 20% con
- st + gl ne (4) uk (2) 828
- hang side + probe cone (?) (3)

• WTSP ♂? (NS) $\frac{3}{7}$ BS br < 1cm 20% con
- up str 60° up 8cm gl underside needle (4) uk (2)
- st + pr needle (4) uk (2) 829

• OCWA ♀ $\frac{6}{9}$ Birch br 1cm BS 40% con
- leap up 3cm gl br ? (2) 830

• OCWA ♂ (NS) Tam $\frac{6}{7}$ br < 1cm BS 40% con
- st + pr needle (?) (2) 831

• PAWA ? (NS?) $\frac{8}{8}$ Tam br < 1cm BS 20% con
- reach down + glean ne (?) (1)
832

3 July 1994 Yellowstone - Rd to Deltah

• CH SP ♂ (NS) $\frac{6}{11}$ WS br 1cm; BS 85 con

- v down + pr ne (4) uk (2)

- v down + pr ne (?) (3)

833

• OCWA ♀ (NS) $\frac{2}{5}$ WS br 1cm; BS 60% con

- st + probe ne (?) (2)

- v down + probe ne (?) (3)

834

• OCWA ♂ (NS) $\frac{2}{5}$ WS br 1cm; BS 60% con

- v d + probe ne (?) (3)

835

• CHSP ♂? (NS) $\frac{6}{7}$ BS br < 1cm; BS 75% con

- v d + gl cut off need. (4) (2)

836

• CHSP ♂ (NS) $\frac{11}{16}$ WS, $\frac{4}{16}$ br < 1cm, BS 55 con

- st + gl ne (?) (3)

837

• MYWA ♀ $\frac{5}{8}$ BS, perch?, BS 85 con

- hover gl ne (?) (1)

838

• GR JA (juv) $\frac{3}{9}$ WS, br 1cm BS 85 con

- v up + pr ne (4) cat (2)

- st + gl ne (?) (3)

839

4 July 1994 Yellowknife - Cassidy Point Rd
 • OCWA? (NS) $\frac{2}{3}$ BS, br < 1cm, ^① BS 70% con
 - rd + pr ne ^④ cat. ^②
 - rd + pr ne ^② ^③ 840

• CHSP ♂ (s) $\frac{6}{7}$ WS, br < 1cm, ^① Willow 30% con
 - rd + pr needle ^① ^② 841

• MYWA ♂ (NS) $\frac{8}{9}$ BS, br < 1cm, ^① Willow 45% con
 - st + gl ne ^① ^③ 842
 - ^{ru} ~~st~~ + pr ne ^① ^③

• CHSP ♂ (NS) $\frac{6}{7}$ BS tw < 1cm, ^① BS 50% con
 - rd + pr ne ^① ^②
 - rd + pr ne ^① ^②
 ru + pr ne ^① ^③
 rd + pr ne ^④ ^② 843

• SWTH? (NS) $\frac{0.5}{0.5}$ Fuz Leaf, br < 1cm, BS 50% con
 - ro + pick berry ^④ 844

4 July 1994 YK Cassidy pt

- CHSP ♂ (NS) $\frac{4}{17}$ WS br 1cm, (B) BS 60% con.
- fluted + chased (sally) flying insect (1) (3)
- rd + pr ne (1) (3) 845

- MYWA ♀ $\frac{7}{10}$ BS br 4cm (B) BS 70% con.
- up str 25cm land + gl ^{dead} br (4/1cm) (1) (?) 846

- MYWA ♂ (NS) $\frac{2}{7}$ BS, tw 4cm (B) BS 70% con.
- lunge 15cm + hover gl ne (2) (?) 847

- GRJA (NS) $\frac{0.3}{14}$ BS, Br 7cm (C) BS 70% con.
- ~~rd~~ rd + gl br (1) egg mass? (1) 848

- CHSP ♂? (NS) $\frac{7}{8}$ BS, Br 1cm (B) BS 60% con.
- leap up 1cm + pr ne (1) (2) 849

- DEJU ♀ $\frac{8}{14}$ WS, tw 1cm, (B) willow 15% con.
- rd + pr needle tip. 850

- CXWA ♀? (NS) $\frac{13}{16}$ WS, tw 1cm (C), brch 20%
- rd + pr needle tip - (1) cat. 851

4 July 1994 YK Cassidy P f.

• MYWA ♂ (US) 2/8 BS, tw < 1 cm, (C) BS 50%

- sally 7m return (C) 852

- sally 12m continue (C)

↓ Same bird? bot, 3+ min later

MYWA ♂ (US) ? UK uk uk ~~willow~~ BS 60%

Aerial foraging - flew out 30m from perch
then flew back + forth snapping at insects in
air 40m (20) ? 852-3

• CHSP (US) 6/11 BS, Br 1 cm, (B), BS 95 con

- brv + sl underside of needles. (?) (C)

853

• GRJA (juv) 1/2 willow, br < 1 cm (A), willow 10%

- rd + pr ^{ang} between lf clump (C) uk (C)

854

• GCWA ♂? (US) 2/3 willow, br < 1 cm, (B), willow 50% con

- rd pr cutken (A) (C)

- hang side pr cut (A) (C)

- rd probe cut (C) (C)

855

4 July 1994 YK

• OCWA ♂ (S), $\frac{2}{5}$ BS, br < 1cm, BS 90% con (B)

- rd + probe ne (1) (2)

- rd + pr ne (1) (2) 856

• PAWA ^(NS) $\frac{4}{6}$ WS, tw < 1cm BS 70% con (B)

- st + pr ne - (1) uk lat? (1) 857

- st + gl tr (1) uk (2)

• YEWA ♂ (NS) $\frac{8}{11}$ Birch, br < 1cm (B), within 0.7cm

- rd + gl ¹¹ (1) uk (3) 858

- rd + gl lf (1) (2)

• YEWA ♂ (NS) $\frac{1}{2}$ Alder, br < 1cm (C), within 0.7cm

- long side + gl lf (1) (2)

- rd + gl ¹¹ (1) (2) 859

4 July 1994 - Fred Henne Park

• MYWA ♀ $\frac{7}{9}$ Tam, br < 1cm, (B) BS 75 con

- st + gl (1) ne (3) 860

- rd + gl (1) ne (3)

- rd + gl (1) ne (3)



4 July 1994

- OCWA ? $\frac{7}{8}$ Tam, br < 1 cm, (C) BS 85 con
- rd + pr ne (?) (2) 861
- ro + pr ne (?) (2)
- rd + pr ne (?) (2)

5 July 1994 Y/K

- CHSP ♂ (s), $\frac{1}{17}$ WS, br 2 cm, (B) birch 40% con
- rd + pr ne (?) (1) 862

- AL FL ? $\frac{8}{11}$ Birch, tw < 1 cm, (C) BS 70% con
- up str + gl vl (?) (1) 863

- PAWA^{ns} $\frac{5}{11}$ Tam, br < 1 cm (B) ~~BS~~ Pine 85 con
- rd + pr ne (?) (3) 864

- OCWA ♂ (s) $\frac{3}{5}$ BS, tw < 1 cm (C) BS 65 con
- rd + pr ne (?) (2) 865

- OCWA ♂ (s) $\frac{5}{6}$ BS, br < 1 cm (C) BS 70 con
- rd + pr ne (?) cat (1)
- rd + pr ne (?) cat (2) 866

5 July 1994

• CHSP ♂ (NS) $\frac{4}{9}$ BS, tw < 1cm, BS 80 cm ©
- rd + pr ne (Y) uk (2) 867

• CHSP? (NS) $\frac{7}{8}$ WS, br 1cm, (B) BS 60
- rd + pr ne ? (1) 868

• CHSP ♂ (NS) $\frac{7}{10}$ BS, br 1cm, (B) BS 65 cm
- rd + pr ne (Y) (2)
- rd + pr ne (Y) (2) 869

• PAWA (NS) $\frac{2}{2}$ willow, br < 1cm (B), Birch 10% cm
- st + gl lf (3) (1) 870
- rd + gl ul (Y) uk (1)

— 5 July 1994 YK Sewage Lagoon

• MYWA ♂ (NS) 0 Bare Rock BS 95% cm
- Five times: rd + gl rock surface
- rd + pr ne of low spruce 0.1 cm 871

• CHSP (NS) $\frac{6}{8}$ BS, br < 1cm (C), BS 95 cm
- (3x) rd + pr ne (Y) 872

• CHSP ♀ $\frac{5}{8}$ BS br < 1cm 20% col
- ro + pr ne (4) (1) 873

• YEWA ♀ $\frac{10}{11}$ Brch, tw < 1cm (3) willow 10% col
- hang down + gl lf (2) (3) 874
- hang side + gl ul (4) (3)

• YEWA ♀ $\frac{3}{4}$ willow, br < 1cm (3) willow 0%
- ro + gl ul (4) uk (2) 875

• MYWA $\frac{3}{6}$ BS ~~tw~~ < 1cm (3) willow 20%
- leaf up gl ne (2) (4) 876

— 6 July 1994 Fred Heune

• YEWA ♂ (NS) $\frac{1}{1}$ willow, br < 1cm, (C) BS 65%
- hang side + reach down + gl cat (4) (2)
877

• CHSP ? (NS) $\frac{4}{6}$ BS, br < 1cm (3), BS 70%
- ro + pr ne (2) (3) 878

• OCWA ♂ (S) $\frac{1}{2}$ willow, br < 1cm (C), BS 65%
- up str 50cm gl ul (1) (1)
- ro + gl lf (1) (2)
- ro + gl tw ul (1) (1)
879

6 July 1254 YK
OCCWA? (NS) $2/5$ BS, br <1cm, BS ⁷⁵ 80 con
- rd + pr ne (Y) uk (3) 880

7 July 1994 - ~~kit-isa~~ Pichar KAKISARV
PAWA (NS) $15/17$ BS, tw <1cm, BS 75 con
- rd + pr ne (Y) uk (cat!) (3) (B)
881

GRJA (NS) $8/17$ LPP, Br 1cm (B) BS 75 con
- long side + pr liden (Y) (1) 882

- long side + pr lichen (Y) (1)
- Lady Evelyn Falls EVELYN

MYWA (NS) $8/10$ WS, tw <1cm, WS 80 con (B)
- up str + sl ne (Y) (2) 883

MYWA (NS) $11/13$ WS, br <1cm, WS 70% (B)
- rd + pr ne (Y) cat (2) 884

MYWA (NS) $6/8$ WS, br <1cm, WS 90 (C)
- up str + hor gl ne (Y) cat (2) 885

CHSP (NS) $14/18$ WS, br <1cm WS 20 con (B)
- ~~long~~ lunge + hor gl ne (Y) cat (3) 886
PAWA-1 GRJA-1 MYWA-3 CHSP-1

7 July 1994

• ~~MYWA~~ MYWA ♂ (NS) 5/13 WS, br 4cm, 90%⁴⁵ ①
- lunge 40cm of branch ② 887

• MYWA ♂ (NS) 7/21 WS, br 4cm, WS 90 ①
- lunge 50cm + ho gl ne ① ②
888

• RCKI ♀ (NS) 5/10 WS, br 4cm, 90% con ①
- up st- 40cm⁴⁵ hór gl ne ③ ②
889

• MYWA ♀ (NS) 5/6 Tam, br 4cm, 95 con ①
- hang down + pr ne ④? ② 890
— 7 July 1994 Hay River

• DEJU ♀ 6/0³, Equis. no branch, WS 65 con
- st on ground + gl Eg ① uk ①
891

• PAWA ? (NS) 3/9 Tam, br 1cm, Tam 65 con
- lunge 40cm + multiple hor. gl spider web ④ ②
892

8 July 1994 Hay River

• DEJU (NS) 2/5 BS, br 1cm, BS 85% con
- hang down + gl tw ① ② ③
893

MYWA-3 RCKI-1 DEJU-2 PAWA-1

8 July 1994 - Hung River

• BOCH (NS) $11/11$ BS, br < 1cm, BS 85 con
- rd + pr ne (1) (2) 894

• CMWA ♀ $20/22$ WS, tw < 1cm, (B) WS 80 con
- st + pr ne ??? (1) (3) couldn't see well

→ $14/17$ WS, tw < 1cm (C) WS 80 con
- rd + pr ne (1) (2) seen well.

895

• BCCH $12/16$ pop (A) tw 1cm, WS 55 con
- st + gl bark - on branch (1) (2) 896

• WAWI (NS) $4/7$ willow, (C) tw < 1cm, ~~pop~~ 40 con
- rd + pr catkin (1) (2)
- leap up + hor gl ul (1) (2)
- rv + gl ul (1) (3) 897

• CHSP (NS) $20/22$ WS (C) tw < 1cm WS 85 con
- rd + gl ne (1) (2) 898

• TEWA ♂ (NS) $10/14$ WS (B), tw < 1cm, WS 80 con
- rd + pr ne (1) (2) 899
- rv + gl ne (1) (2)
- leap. and gl ne (1) (2)

BOCH-1 CMWA-1 BCCH-1
WAWI-1 CHSP-1 TEWA-1

• RCK1 (NS) $10/15$ BS, tw < 1cm (B), BS 60cm
- rd + gl ne (Y) uk (2) 900

• BOCH (NS) $12/15$ WS, tw < 1cm (B), BS 60
- rd ^{pl} ne (Y) uk (2) 901

• CHSP ♂ NS $14/17$ WS, tw < 1cm (C) BS 85cm
- longe 60cm + low gl ne (N) (F) 902

• CHSP NS $9/16$ WS, tw < 1cm (C) BS 75cm
- rd + pr ne (?) (2) 903

• YEWA ♂ (S) $7/20$ WS, tw < 1cm (C), WS 50cm
- rd + gl ne (Y) uk (3) 904

9 July 1994 Hay River

• YEWA ♀ (NS) $2/3$ willow, br 0.5, (B) mix BL 0%cm

- rd gl all (Y) (3)

- up str + gl d 30cm (7) (2) 905

• WAVI (NS) $2/3$ willow (B), br 0.5 mix BL 0%

- vfl pers. (3) (7)
longe 60cm

906

WAVI-1
RCK1-1 BOCH-1 CHSP-2 YEWA-2

2 July 1994 Hay River ©

• TEWA ♂ (NS) $\frac{2}{4}$ willow, 0.5 tw, Aspen/mta BL 0%

- hang down + probe dead lf curled (N) (2)

- rd + gl 11 (2) 907

• TEWA (NS) $\frac{0.5}{1}$ willow, 0.5 br, (B) Aspen 0%

- hd + gl 11 (2) 908

- hs + rd + gl lf (2)

• TEWA ♀ (NS) $\frac{9}{16}$ WS, (C), br 1 cm, WS/Aspen mix 60 cm

- rd + pr ne (2) 909

- hover ^{do stn 20cm} + pr ne (1)

• PAWA (NS) $\frac{9}{13}$ WS (C) br 0.5, SAA

- rd + gl ne (3) 910

• TEWA ♂ (NS) $\frac{14}{16}$ WS (C) br 0.5 SAA

- st + pr ne (2) 911

• MYWA (NS) $\frac{13}{17}$ WS (B) br 0.5 SAA

- rd + peck ne (2) 912

TEWA-4 PAWA-1 MYWA-1

9 July 1974 Hay River

• MYWA ♀ (NS) $17/18$ WS (A) br 0.5, WS/Agave ^{60 cm}
- vv + pr ne (Y) cent (3) 913

• MYWA ♀ (NC) $16/18$ WS (B) br 0.5, WS 80 cm
- vv + fl gl ne (3) (?) 914

• RCKI ♂ (S) $12/16$ WS (B) br 0.5, WS 70 cm
- hang up + pr ne (?) (3) 915

• WIWA ♂ (NS) $2/5$ Tam (B), br 0.5, Muskey 95 cm
- up st-³⁰ + gl ne (2)
- lunge/sally 100 cm + ^{peck/d} air (4) & wing insect (2)
916

• WIWA ♀ $2/9$ BS (A), br 0.5, Muskey 95 cm
- st + gl trunk (?) (3)
- lunge 20 cm + Strike/gl ne (?) (2)
917

MYWA

(feeding
juv)

11 July 1994 - Hwy River
TEWA ♀ (NS) ¹⁰/₁₉ BS, ^{tr} < 1cm (C) WS 80cm
- st + ⁹/₁ pk ne (2) (2) 918

WTSP ♀ (NS) ³/₃ BS, br < 1cm (B), BS ^{musky} 90cm
- l up 10cm + sl ne (2) winged insect (3)
919

WTSP ♂ (NS) ²/₃ Turn, ^{tr} 2cm (A), musky 90cm
- rd + gl ne (1) insect (1) 920

CHSP ♂ (NS) ⁵/₁₃ BS, br < 1cm, (B) musky 90
- ru + sl ne (1) uk (2) 921

SOVI ♂ (NS) ⁷/₁₂ BS, br 0.5, (A), musky 85cm
- lp up + br sl ne (1) (2) 922

ALFL (NS) ²/₃ Alder, br 0.5 (B) musky edge 65cm
- fl per ⇒ lunge 30cm (1) (3) 923

MYWA ♀ (NS) ¹¹/₁₅ BS, br 0.5 (B) musky 80
- st ~~st~~ + sl ne uk (2) 924

TEWA-1 WTSP-2 CHSP-1 SOVI-1 ALFL-1 MYWA-1

11 July 1994 Hwy River
TEWA NS $1\frac{6}{20}$ WS, tw on 5, (B) monkey 80
- vu pr ne (3) 925

MYWA $10/14$ WS, br 1 cm (B) monkey 85
- st pr ne (2) 926

LISP $9/22$ WS tw on (B) monkey 75
- vu pr ne (2) 927

CHSP^{NS} $9/23$ WS ~~br~~ on (C) monkey 65
- no pr ne 928

WTSP^{NS} $10/13$ WS, br 0.5 (C) mixed 25 cm
- rd peek needle (3) 929

CHSP (NS) $12/22$ BS, br 0.5 (B) mix 60 cm
- lounge 15 cm + pr ne (3) 930

MIWA ♂ (NS) $7/15$ WS + w 0.5 (B) mix Spruce 80
- rd + pr ne (2) 931
- rd + pr ne (2)
TEWA-1 MIWA-2 LISP-1 CHSP-2 WTSP-1

11 July 1994 Hwy River

CHSP(NS) $1\frac{4}{9}$ WS, tw 0.5, (B) mix spruce 80

- vto pr ne (2) 932

MYWA $1\frac{1}{9}$ WS, hr 0.5 (B) mix spruce 75

- vto + pr ne (3) 933

CHSP(NS) $1\frac{5}{21}$ WS, hr 0.5 (C) ~~wt sp~~ 80

- 1p up 3cm flut gl ne (2) 934

MYWA(NS) $1\frac{3}{19}$ WS, tw 0.5 (B) WS 80

- vto + pr ne (2) 935

MYWA(NS) $1\frac{4}{18}$ WS, hr 0.5 (B) WS 85

- up str 25cm + hr gl ne (C) cat (1) 936

MYWA ♂(NS) $9\frac{1}{17}$ WS, hr 1cm (B) WS 85

- vto + pr cone (?) (3) 937

OCWA (NS) $7\frac{1}{11}$ WS, tw 0.5 (C) WS 65

- lunge 10cm + hr gl ne 938

CHSP - 2 MYWA - 4 OCWA - 4

11 July 1994

CHSP ♂ (WS) $6/10$ WS, hr 0.5, (C) WS 50

-rd gl ne (1) 939

Et

CHSP ♀ $6/10$ WS, hr 0.5 (C) WS 50

-rd pr ne (2) 940

TEWA ♂ WS $5/22$ WS, tw 0.5 (C) mix 60ca
-rd + pr ne (2) 941

TEWA ♀ $10/11$ WS, tw 0.5 (C) WS 70
-rd + pr ne (2) 942

RCKI $11/17$ WS, hr 0.5 (B) WS 75
-lunge 120^{cm} + hr gl ne (1) (2) 943

RCKI $12/17$ WS, hr 1 (B) WS 70
-rd + pr ne (3) 944

MAWA ♂ (WS) $10/20$ WS, tw 0.5, WS 75
-rv + gl ne (2) 945

✓ CHSP-2 TEWA-2 RCKI-2 MAWA-1

11 July 1994 Hay Rn

MYWA ♂ (WS) $18\frac{1}{2}/24$ WS, br 0.5, WS 80 cm

946 - lunge 20 cm + hv gl ne (3)

CHSP^{WS} $4/10$ WS, tw 0.5, (C) WS 85

947 st + peak ne (1)

CHSP^{WS} $20/24$ WS, br 0.5 (B) WS 90

948 - ro + pr ne (3)

RCKI (♀) $5/16$ WS, ~~tw~~ ^{tw} 0.5 (C) WS 65

949 - up str 20, hover, lunge 5 gl ne Y cat (2)

REVI (WS) $3/16$ WS br 1 B WS 65

950 - lunge up str 25 gl ^{ne} insect (3)

12 July 1994 Ft Simpson

WAVI ♂ (S) $15/17$ birch, (B) ~~tw~~ ^w 0.5, mix 50 cm

951 - ~~lunge~~ 20 cm + hv gl lf (3)

- hx + gl lf (3)

952 REVI (WS) $3/5$ willow (B) br 0.5 mix 55 cm

953 - ro gl all (1) ?uk (4)

MYWA-1 CHSP-2 RCKI-1 REVI-2 WAVI-1

12 July 1994 Ft Simpson

CHSP (NS) $5/18$ ws, (B) br l.o., ws 70cm
953 - up str + gl br insect (1)

CHSP (NS) $10/23$ ws, (B) tw 0.5, ws 80cm
954 - st + ~~pr~~ ^{pr} ~~nc~~ (1) (3)

LEFL (NS) $10/12$ birch, (B) ~~tw~~ tw 1, mix 50cm
955 - lv 45, hv gl lf

AMRE ♂ (NS) $15/17$ pop, (B) tw 0.5, ~~mix~~ BL ^{20cm}
956 - up str + 35cm rgl || (2) (4)
— 13 JULY 1994 Ft Simpson

AMRE ♂ (NS) $1/4$ pop, (B) br 0.5, BL 600%
957 - vo gl || (1) cat (2)
- st + gl ||

AMRE ♂ (S) $5/9$ pop (C) br l.o., 100 BL 0cm
958 - lp up + gl || (2)
- st gl tw

AMRE (NS) $10/14$ pop (A) br l.o., 0cm
959 - ~~st~~ ^{pr} ~~up~~ gl tr

(AMRE 3) + 1 LEFL-1 CHSP-2

13 JULY 1994

YEWTA ♀(WS) $13/16$ birch, tw 0.5, (B) 100 BL

960 - ro gl ll (Y) uk (3)

BCCH (G) $6/16$ WS, tw 0.5 (B) 95 con

961 - up str ²⁰ + gl ne

CHSP $12/22$ (WS) WS, br 0.5, (B) 95 con

962 - up str 30 + hv gl ne moth (bud waned)

WTSP ♀(NS) $11/15$ WS, (C), tw 0.5, WS 65 con

963 - lunge to cm + hv gl ne (?) (3)

WAVI (WS) $11/26$ pop (C), tw 0.5, pop 0% con

964 - ro gl ll (?) (2)

REVI (NS) $17/21$ pop (C), tw 0.5, pop 0%

965 - lv 140 cm + hv gl ll (Y) uk (2)

AMRE ♀ (NS) $8/17$ WS, (B) br 1.0, mix 40 con

966 - do str + gl air (Y) uk (2)

CHSP (NS) $18/20$ pop, (C) br 1.0, mix 45 con

967 - lv 5 cm + gl ll insect (2)

MAWA ♀(NS) $8/23$ WS, (B) tw 0.5, mix 45 con

968 - rd + pr ne (Y) cat (3)

BCCH (NS) $10/22$ WS (B), tw 0.5 mix 40

969 - - rd + pr ne (N) (3)

YEWTA - 1 BCCH - 2 CHSP - 2 WTSP - 1 WAVI - 1 REVI - 1 MAWA - 1
AMRE - 1 ✓

13 July 1974 Ft Simpson NWT

OVEN (NS) $\frac{8}{22}$ WS, (B), br 1.5, ~~tw~~ mix 40

970 - rd + pr ne (3)

- rd + pr ne 4 cat (3)

TEWA (NS) $\frac{3}{5}$ willow, (B) tw 0.5, mix 40

971 - ls + gl ll cat (4)

SWTH (NS) $\frac{2}{22}$ WS, (B), br 0.5, WS 80

972 - up str + gl tw (?) (2)

MAWA ♂ (NS) $\frac{4}{7}$ willow, (B), tw 0.5. BL 10% con

973 - rd + gl elf (1) (3)

WAU (NS) $\frac{3}{4}$ willow (B), tw 0.5, BL 0%

974 - up str 90cm gl ll (?) (3)

SWTH (NS) $\frac{5}{17}$ WS, (C), br 0.5, mix 55 con

975 - lv 2cm + pr ne? (2)

MAWA ♂ (S) $\frac{7}{26}$ WS (B) br 1.0, WS 75 con

976 - rd + pk br (4) (1)

- rd + gl ll (1) (2)

REVI (NS) $\frac{9}{19}$ birch (B), tw 0.5, mix 35 con

977 - lv 50 lv gl ll (1) (2)

MAWA ♀ $\frac{7}{14}$ birch (B), tw 0.5 ~~mix~~ birch 15%

978 - v str + gl ll (?)

OVEN-1 TEWA-1 SWTH-2 MAWA-3 WAU-1 REVI-1

13 July 1994 Ft Simpson

MAWA ♂ (NS) $\frac{9}{10}$ willow (B), mix 40 con

979 - rd + gl lf (Y) tr (3)

GRJA ♂ (NS) $\frac{2}{22}$ WS (A), tr 15 cm, WS 85 cm

980 - hs (on trunk) and pr bark (Y) uk (1)

GRJA (NS) $\frac{9}{23}$ WS (A) br 1.5 WS 90 cm

981 - st & pr bark on trunk (Y) uk (1)

BBWA ♂ (NS) $\frac{6}{7}$ birch (B) tw 0.5, WS 90 cm

982 - up str 25 cm gl lf uk (1)

AMRE (NS) $\frac{3}{4}$ willow (C), tw 0.5, willow 0.2 cm

983 - lv 15 cm, + gl lf uk (2)

AMRE ♀ (NS) $\frac{3}{4}$ willow (B) tw 0.5 willow 0.2 cm

984 - lp up 3 cm gl lf (Y) (3)

AMRE ♀ (NS) $\frac{5}{20}$ WS (B) br 8 cm, mix 40 con

- ro + pr ne (Y) (3)

985 - up str 120 + gl lf (Y) pylon (1)

MAWA-1 GRJA-2 BBWA-1 AMRE-3

AMRE ♂ (NS) $\frac{3}{13}$ pop (A) br 1.0, BL 0.9,

986 - rd + pk tr (Y) uk (2)

— 14 July 1994 Ft Simpson

WTSP $\frac{1}{3}$ willow (B) tw 0.5, BL 0.2

987 - st & gl lf (Y) uk (2)

14 July 1994 Ft Simpson

WTSP (NS) $\frac{1}{2}$ willow, (B) br 0.5, 0% con
988 - rd + gl lf (B) (3)

— 15 July 1994 Liard Hwy Broadlf
BWVA (NS) $\frac{6}{7}$ A/L (B), tw 0.5, 0% con

989 - lunge \leftarrow 90cm + sh lf (4)

AMRE (NS) $\frac{11}{13}$ ws (B), tw 0.5, Broadlf 10%
990 - vs \nearrow 45 gl ne (2)

BOCH (NS) $\frac{15}{31}$ ws (A) tw 0.5 ws 80

991 - h* + pr ne

BOCH (NS) $\frac{13}{31}$ ws (B) tw 0.5 ws 80

992 - rv + gl dt

DEJU $\frac{6}{14}$ ws (C) br 0.5 ws 65

993 - st + gl ne (3)

DEJU $\frac{5}{21}$ ws (C) tw 0.5 ws 60

994 - rd + gl ne (4)

AMRE $\frac{9}{20}$ ws (B) ~~ke~~ dt 0.5 ws 45

995 - ds + pursue 200 (vk) (2)

GRJA $\frac{10}{15}$ POP (B) br 1.0, brd/f 5% con

996 - Rd + gl br (2)

WRAVI $\frac{5}{18}$ brch (2), tw 0.5, BL 10%

997 - up str \nearrow 220 gl lf (vk) (4)

16 July 1994 Ft Liard

AMRE ♂ (NS) $10/12$ willow, tw 0.5, BL ~~70%~~ 0% con

998 - RV gl ll ④ cat ②

WAVI (NS) $8/25$ Aspen, tw 0.5, ⑤ BL 5% con

999 - lv → 40cm gl ll ③

AMRE ♀ $8/11$ willow, br 1cm ① BL 5% con

1000 - lv ↓ 35 fl per ② ①

TEWA (NS) willow $7/13$, tw 0.5, BL 5% con ⑧

1001 - hd gl lf ②

- rv gl ll ④ cat ②

MAWA (NS) $10/14$ willow, tw 0.5 ③ BL 5% con

1002 - st gl ll ③

AMRE (NS) $8/14$ willow, br 0.5 ③ BL 5

1003 - lv → 20cm br gl lf ②

TEWA ♀ $9/14$ willow, br 0.5 ① BL - 5%

1004 - rv gl ll ④ ②

MAWA ♂ (NS) $2/6$ willow, tw 0.5, ③ mix 40%

1005 - rv gl ll ④ ③

TEWA (NS) $2/5$ Alder ③ br 0.5 birch 0%

1006 - hd gl ll ④ cat ①

REVI (NS) $11/14$ willow ⑤ br 2.0 BL 0%

1007 - up str → 30 gl lf ①

18 July 1994 Mackenzie Hwy - Ft Smith

BOCH $\frac{8}{11}$ Alder (B), tw 0.5, WS 50cm

1034 - hx + gl tw (3)

BOCH $\frac{8}{17}$ WS (B), tw 0.5, WS 50

1035 - rd + pr ne (?) (2)

BOCH $\frac{6}{17}$ BS (A) tr 16, BS 70

1036 - hs + pr bark on tr (1)

TEWA $\frac{6}{8}$ willow (B), tw 0.5 BS 55

1037 - hv + pr lf cluster (3)

BOCH $\frac{10}{18}$ BS (A) dtw 0.5, BS 75

1038 - hx + gl dt (1)

WETA (WS) $\frac{17}{20}$ Birch (B) br 0.5, BS 80

1039 - us 30 hv gl lf

— 19 July 1994 HAY RIVER

BOCH $\frac{5}{6}$ BS (A) br 0.5 mostly 80cm

1040 - rd + pr ne (2)

— 20 July 1994 FT SMITH

YEWA (WS) $\frac{6}{6}$ willow (C), tw 0.5, BL 0%

1041 - ro gl lf (3)

BOCH (S) $\frac{3}{2}$ willow (C), br ^{dent} 1.0 ^{to} 1.0, BL 0%

1042 - st gl v/ (willow)

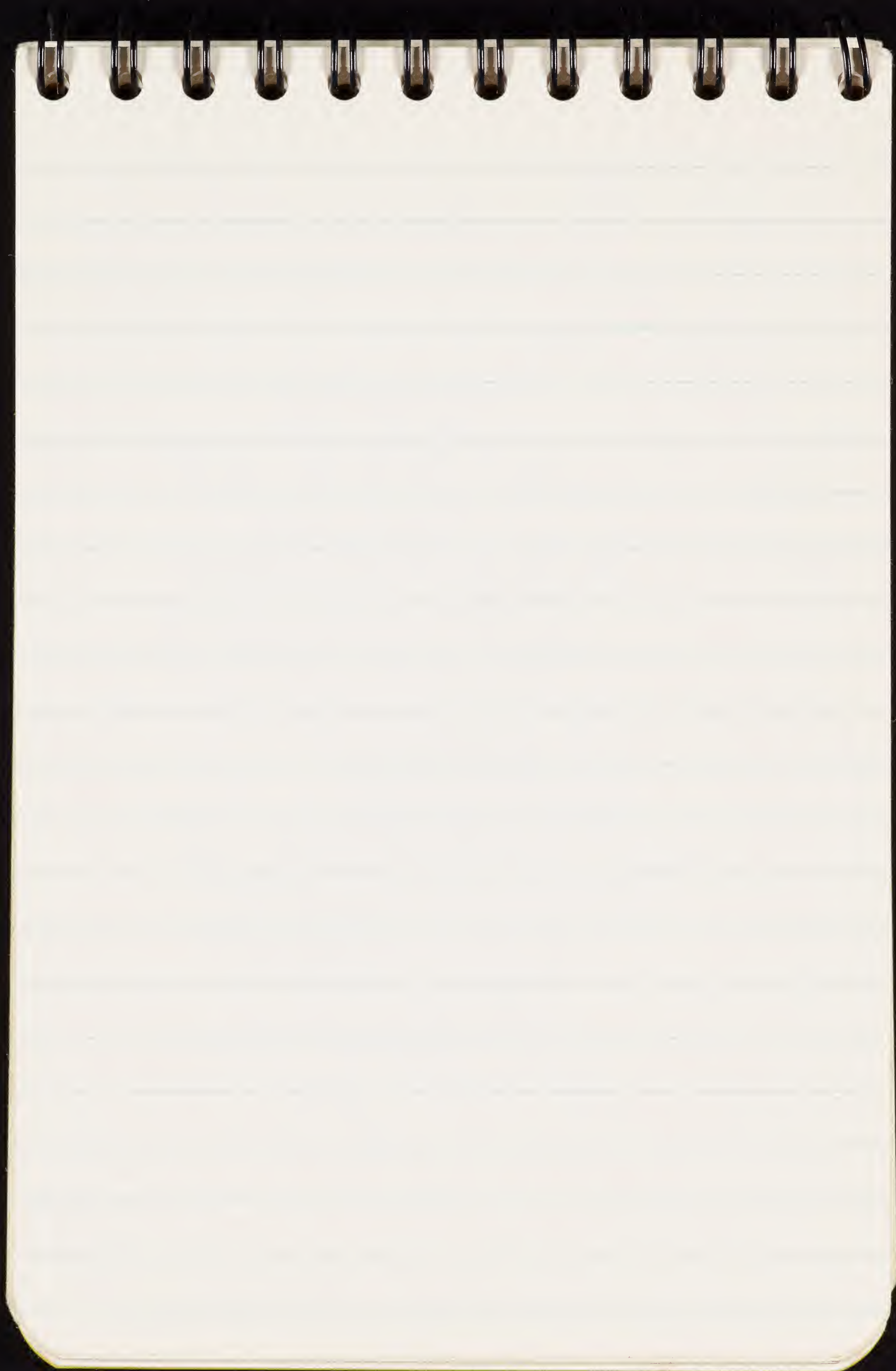
BOCH ¹⁰/₁₉ Aspen tw 0.5 (B) Aspen 02
1043 - st + pr dend lf (1)

BOCH ¹⁶/₂₂ Aspen, br 1.0 (B) Aspen 02
1044 - hu + gl br (1)

SWTH ⁵/₁₉ Tum (B) br 0.5 BS 95%

- up str ⁴⁰ 25 cm, ~~br~~ 0.5 hu gl dt (3)

- ro + pr ne (3)



AMRE ♂ → MAWA juv

REVI → MAWA ♀

REVI → GRJA

BBWA - 1/1/1
SOVI - 11
HAFL - 11
LISP - 11
GCKI - 1
COGR - 1
DEJU - 1/1/1
DCWA - ~~1/1/1~~ ~~1/1/1~~ ~~1/1/1~~ 111
WIWA - 11
CMWA - 1
OVEN - 1

4 July - 189 9 July - 232 13 July - 302

BOCH-~~||||~~ ~~||||~~ |

AMRE-~~||||~~ ~~||||~~ ~~||||~~ |

WETA-~~||||~~ ||

YEWA-~~||||~~ ~~||||~~ ~~||||~~

REVI-~~||||~~ ~~||||~~ |||

PHVI-1

LEFL-~~||||~~ ||

MYWA-~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ |||

^{TEWA}
~~AMRE~~-~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ |||

RCKI-~~||||~~ |||

PAWA-~~||||~~ ~~||||~~ |||

MAWA-~~||||~~ ~~||||~~ ~~||||~~

MOWA-1

SWTH-~~||||~~ |

ALFL-~~||||~~ |

CHSP-~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~ ~~||||~~

BCCH-~~||||~~ ||

RBGR-1|||

WTSP-~~||||~~ ||

AMRO-1

GRJA-~~||||~~ ~~||||~~ ||

WAVI-~~||||~~ ~~||||~~



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